

O I P E J C I E N  
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FORM PTO-1449	SERIAL NO. 10/629,537	CASE NO. 7814/86
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	FILING DATE July 28, 2003	GROUP ART UNIT To Be Assigned
APPLICANT(S): Viresh H. Rawal et al.		

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
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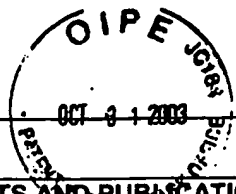
FOREIGN PATENT DOCUMENTS

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EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.				
As	A1	Xu, M.; Pu, L., "A New 1,1'-Binaphthyl-Based Catalyst for the Enantioselective Phenylacetylene Addition to Aromatic Aldehydes without Using a Titanium Complex", <i>Organic Letters</i> , 2002, Vol. 4, No. 25, pp. 4555-4557.			
	A2	Guay, V.; Brassard, P., "Reactions of Ketene Acetals 15'. Regiospecific Syntheses of Erythrolaccin and "7-Hydroxyerythrolaccin"., <i>Tetrahedron</i> , 1984, Vol. 40, No. 24, pp. 5039-5045.			
	A3	Schiess, P.; Eberle, M.; Huys-Francotte, M.; Wirz, J., "Thermal Addition Reactions to Benzocyclobutenones Studied by Flash Photolysis", <i>Tetrahedron Letters</i> , 1984, Vol. 25, No. 21, pp. 2201-2204.			
	A4	Midland, M. M.; Graham, R. S., "High Threo Diastereoselectivity via Europium(III)-Catalyzed Cyclocondensation of a Silyloxy Diene with $\alpha$ -Alkoxy Aldehydes. Synthesis of (-)-Pestalotin", <i>J. Am. Chem. Soc.</i> , 1984, Vol. 106, No. 15, pp. 4294-4296.			
	A5	Daniewski, W. M.; Kubak, E.; Jurczak, J., "High-Pressure Approach to the Total Synthesis of ( $\pm$ )-Ambreinolide and ( $\pm$ )-8-Epiambreinolide", <i>J. Org. Chem.</i> , 1985, Vol. 50, No. 21, pp. 3963-3965.			
	A6	Rigby, J. H.; Wilson, J. A. Z., "A General Approach to the Synthesis of C <sub>8</sub> -Oxygenated Guaianolides", <i>J. Org. Chem.</i> , 1987, Vol. 52, No. 1, pp. 34-44.			
	A7	Kozmin, S. A.; Janey, J. M.; Rawal, V. H., "1-Amino-3-siloxy-1,3-butadienes: Highly Reactive Dienes for the Diels-Alder Reaction", <i>J. Org. Chem.</i> , 1999, Vol. 64, No. 9, pp. 3039-3052.			
	A8	Huang, Y.; Rawal, V. H., "Hetero Diels-Alder Reactions of 1-Amino-3-siloxy-1,3-butadienes under Strictly Thermal Conditions", <i>Organic Letters</i> , 2000, Vol. 2, No. 21, pp. 3321-3323.			
	A9	Kozmin, S. A.; Green, M. T.; Rawal, V. H., "On the Reactivity of 1-Amino-3-siloxy-1,3-dienes: Kinetics Investigation and Theoretical Interpretation", <i>J. Org. Chem.</i> , 1999, Vol. 64, No. 21, pp. 8045-8047.			
	A10	Kozmin, S. A.; Rawal, V. H., "Chiral Amino Siloxy Dienes in the Diels-Alder Reaction: Applications to the Asymmetric Synthesis of 4-Substituted and 4,5-Disubstituted Cyclohexenones and the Total Synthesis of (-)- $\alpha$ -Elemene", <i>J. Am. Chem. Soc.</i> , 1999, Vol. 121, No. 41, pp. 9562-9573.			
As	A11	Huang, Y.; Iwama, T.; Rawal, V. H., "Highly Enantioselective Diels-Alder Reactions of 1-Amino-3-siloxy-dienes Catalyzed by Cr(III)-Salen Complexes", <i>J. Am. Chem. Soc.</i> , 2000, Vol. 122, No. 32, pp. 7843-7844.			

EXAMINER <i>Amelia Denev</i>	DATE CONSIDERED 4/3/2006
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As	A12	Steiner, T., "Donor and acceptor strengths in C-H...O hydrogen bonds quantified from crystallographic data of small solvent molecules", <i>New J. Chem</i> , 1998, pp. 1099-1103.
	A13	Kryachko, E. S.; Zeegers-Huyskens, T., "Theoretical Study of the CH...O Interaction in Fluoromethanes-H <sub>2</sub> O and Chloromethanes-H <sub>2</sub> O Complexes", <i>J. Phys. Chem. A</i> , 2001, Vol. 105, No. 29, pp. 7118-7125.
	A14	Breslow, R., "Hydrophobic Effects on Simple Organic Reactions in Water", <i>Accounts of Chemical Research</i> , 1991, Vol. 24, No. 6, pp. 159-164.
	A15	Kelly, T. R.; Meghani, P.; Ekkundi, V. S., "Diels-Alder Reactions: Rate Acceleration Promoted By A Biphenylenediol", <i>Tetrahedron Letters</i> , 1990, Vol. 31, No. 24, pp. 3381-3384.
	A16	Schmidt, R. R., "Hetero-Diels-Alder Reaction in Highly Functionalized Natural Product Synthesis", <i>Accounts of Chemical Research</i> , 1986, Vol. 19, pp. 250-259.
	A17	Schuster, T.; Kurz, M.; Göbel, M. W., "Catalysis of a Diels-Alder Reaction by Amidinium Ions", <i>J. Org. Chem.</i> , 2000, Vol. 65, No. 6, pp. 1697-1701.
	A18	Schreiner, P. R.; Wittkopp, A., "H-Bonding Additives Act Like Lewis Acid Catalysts", <i>Organic Letters</i> , 2002, Vol. 4, No. 2, pp. 217-220.
	A19	Martin, T.W., Derewenda, Z. S., "The name is bond - H bond", <i>Nature Structural Biology</i> , 1999, Vol. 6, No. 5, pp. 403-406.
	A20	Vachal, P.; Jacobsen, E. N., "Structure-Based Analysis and Optimization of a Highly Enantioselective Catalyst for the Strecker Reaction", <i>J. Am. Chem. Soc.</i> , 2002, Vol. 124, No. 34, pp. 10012-10014.
	A21	Schuster, T.; Bauch, M.; Dürner, G.; Göbel, M. W., "Axially Chiral Amidinium Ions as Inducers of Enantioselectivity in Diels-Alder Reactions", <i>Organic Letters</i> , 2000, Vol. 2, No. 2, pp. 179-181.
	A22	Jørgensen, K. A., "Catalytic Asymmetric Hetero-Diels-Alder Reactions of Carbonyl Compounds and Imines", <i>Angew. Chem. Int. Ed.</i> , 2000, Vol. 39, pp. 3558-3588.
	A23	Prins, L. J.; Reinhoudt, D. N.; Timmerman, P., "Noncovalent Synthesis Using Hydrogen Bonding", <i>Angew. Chem. Int. Ed.</i> , 2001, Vol. 40, pp. 2382-2426.
	A24	Huang, Y.; Rawal, V. H., "Hydrogen-Bond-Promoted Hetero-Diels-Alder Reactions of Unactivated Ketones", <i>J. Am. Chem. Soc.</i> , 2002, Vol. 124, No. 33, pp. 9662-9663.
	A25	Seebach, D.; Beck, A. K.; Heckel, A., "TADDOLs, Their Derivatives, and TADDOL Analogues: Versatile Chiral Auxiliaries", <i>Angew. Chem. Int. Ed.</i> , 2001, Vol. 40, pp. 92-138.
	A26	Dalko, P. I.; Moisan, L., "Enantioselective Organocatalysis", <i>Angew. Chem. Int. Ed.</i> , 2001, Vol. 40, pp. 3726-3748.
	A27	Bednarski, M.; Danishefsky, S., "Interactivity of Chiral Catalysts and Chiral Auxiliaries in the Cycloaddition of Activated Dienes with Aldehydes: A Synthesis of L-Glucose", <i>J. Am. Chem. Soc.</i> , 1986, Vol. 108, No. 22, pp. 7060-7067.
As	A28	Corey, E. J.; Cywin, C. L.; Roper, T. D., "Enantioselective Mukaiyama-Aldol and Aldol-Dihydropyrene Annulation Reactions Catalyzed by a Tryptophan-Derived Oxazaborolidine", <i>Tetrahedron Letters</i> , 1992, Vol. 33, No. 46, pp. 6907-6910.

EXAMINER Amelia Sweet	DATE CONSIDERED 4/3/2006
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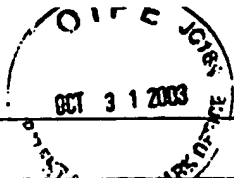


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A0	A29	Wang, B.; Feng, X.; Huang, Y.; Liu, H.; Cui, X.; Jiang, Y., "A Highly Enantioselective Hetero-Diels-Alder Reaction of Aldehydes with Danishefsky's Diene Catalyzed by Chiral Titanium(IV) 5,5',6,6',7,7',8,8'-Octahydro-1,1'-bi-2-naphthol Complexes", <i>J. Org. Chem.</i> , 2002, Vol. 67, No. 7, pp. 2175-2182.
	A30	Long, J.; Hu, J.; Shen, X.; Ji, B.; Ding, K., "Discovery of Exceptionally Efficient Catalysts for Solvent-Free Enantioselective Hetero-Diels-Alder Reaction", <i>J. Am. Chem. Soc.</i> , 2002, Vol. 124, No. 1, pp. 10-11.
	A31	Kezuka, S.; Mita, T.; Ohtsuki, N.; Ikeno, T.; Yamada, T., "Highly Active 3-Oxobutylideneaminatocobalt Complex Catalysts for an Enantioselective Hetero Diels-Alder Reaction", <i>Bull. Chem. Soc. Jpn.</i> , 2001, Vol. 74, No. 7, pp. 1333-1342.
	A32	Hanamoto, T.; Furuno, H.; Sugimoto, Y.; Inanaga, J., "Asymmetric Hetero Diels-Alder Reaction Catalyzed by Chiral Ytterbium(III) Phosphate [Yb[(R)-(-)-BNP] <sub>3</sub> ]: Remarkable Ligand Effect on the Enantioselectivity", <i>Synlett</i> , 1997, pp. 79-80.
	A33	Schaus, S. E.; Brånalt, J.; Jacobsen, E. N., "Asymmetric Hetero-Diels-Alder Reactions Catalyzed by Chiral (Salen)Chromium(III) Complexes", <i>J. Org. Chem.</i> , 1998, Vol. 63, No. 2, pp. 403-405.
	A34	Aikawa, K.; Irie, R.; Katsuki, T., "Asymmetric hetero Diels-Alder reaction using chiral cationic metallosalen complexes as catalysts", <i>Tetrahedron</i> , 2001, Vol. 57, pp. 845-851.
	A35	Huang, Y.; Unni, A. K.; Thadani, A. N.; Rawal, V. H., "Hydrogen Bonding: Single Enantiomers from a chiral-alcohol catalyst", <i>Nature</i> , 2003, Vol. 424, p. 146.
	A36	Pindur, U.; Lutz, G.; Otto, C., "Acceleration and Selectivity Enhancement of Diels-Alder Reactions by Special and Catalytic Methods", <i>Chem. Rev.</i> , 1993, Vol. 93, No. 2, pp. 741-761.
	A37	Kumar, A., "Salt Effects on Diels-Alder Reaction Kinetics", <i>Chemical Reviews</i> , 2001, Vol. 101, No. 1, pp. 1-19.
	A38	Tietze, L. F.; Ketschau, G., "Hetero Diels-Alder Reactions in Organic Chemistry", <i>Topics in Current Chemistry</i> , 1997, Vol. 189, pp. 1-120.
A0	A39	Bednarski, M. D.; Lyssikatos, J. P., "Reactions of Activated Dienes with Aldehydes", <i>Comprehensive Organic Synthesis</i> , 1991, Vol. 2, pp. 661-706.
	A40	Beck, A. K.; Bastani, B.; Plattner, D. A.; Petter, W.; Seebach, D.; Braunschweiler, H.; Gysi, P.; La Vecchia, L., "Grossansätze zur Herstellung von $\alpha,\alpha,\alpha',\alpha'$ -Tetraaryl-1,3-dioxolan-4,5-dimethanolen (TADDOLe): Nützliche Hilfsstoffe für die EPC-Synthese und ihre Struktur im Festkörper", <i>Chimia</i> , 1991, Vol. 45, pp. 238-244.
	A41	Lubineau, A.; Augé, J., "Water as Solvent in Organic Synthesis", <i>Topics in Current Chemistry</i> , 1999, Vol. 206, pp. 1-39.
	A42	Brouard, C.; Pornet, J.; Miginiac, L., "A Convenient Synthesis of 3,4-Bis(Trimethylsilylmethyl)-5,6-Dihydro-2H-Pyrans Through a Catalyzed Hetero Diels-Alder Reaction", <i>Synthetic Communications</i> , 1994, Vol. 24, No. 21, pp. 3047-3053.
	A43	Chino, K.; Takata, T.; Endo, T., "A Novel Synthesis of 1-Isochromanols Via Hetero Diels-Alder Reaction of Carbonyl Compounds with 1-Trimethylsilyloxy-Benzocyclobutene as a Precursor of $\alpha$ -OXY- $\alpha$ -Quinodimethane Under Mild Condition", <i>Synthetic Communications</i> , 1996, Vol. 26, No. 11, pp. 2145-2154.

EXAMINER <i>Amber Owen</i>	DATE CONSIDERED <i>4/3/2006</i>
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<i>AS</i>	A44	Danishefsky, S. J.; DeNinno, M. P., "Totally Synthetic Routes to the Higher Monosaccharides", <i>Angew. Chem. Int. Ed. Engl.</i> , 1987, Vol. 26, pp. 15-23.
<i>I</i>	A45	Kametani, T.; Hibino, S., "The Synthesis of Natural Heterocyclic Products by Hetero Diels-Alder Cycloaddition Reactions", <i>Advances in Heterocyclic Chemistry</i> , 1987, Vol. 42, pp. 245-333.
<i>AS</i>	A46	Grieco, P. A., "Organic Chemistry in Unconventional Solvents", <i>Aldrichimica Acta</i> , 1991, Vol. 24, No. 3, pp. 59-66.

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